PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION	see Form PCT/ISA/220 s well as, where applicable, item 5 below.
nternational application No.	International filing date (day/month/year	r) (Earliest) Priority Date (day/month/year)
PCT/JP2004/003589	17/03/2004	17/03/2003
Applicant		
•		
JAPAN TOBACCO INC.		
This International Search Report has according to Article 18. A copy is being	een prepared by this International Searching of transmitted to the International Bureau.	Authority and is transmitted to the applicant
This International Search Report consi	sts of a total of sheets.	
X It is also accompanied	by a copy of each prior art document cited in	this report.
Basis of the report		
a. With regard to the language, t	he international search was carried out on the unless otherwise indicated under this item.	e basis of the international application in the
this Authority (Rule 23.1(b)).	ranslation of the international application furnished to
b. With regard to any nuc	leotide and/or amino acid sequence disclo	osed in the international application, see Box No. I.
2. X Certain claims were f	ound unsearchable (See Box II).	LEVOIG, VOTI & MANIER
3. Unity of invention is i	acking (see Box III).	AUG 2 5 2004
4. With regard to the title,		metel .
the text is approved as	submitted by the applicant.	THE PART OF THE PA
	olished by this Authority to read as follows:	
	G THE ORAL BIOAVAILABILITY TYLLCYCLOHEYYLLCAPRONYLLAMI	OF INO) PHENYL!-2-METHYLPROPANETHIOAT
5 1 (1 (L · DINI1110)	III, CICHOIDAIH. CARDONIH. AM	INO FRENTE: -2-METHIEPROPANETHIOAT
		V A V V
5. With regard to the abstract,		LAH
X the text is approved as	submitted by the applicant.	
the text has been estat may, within one month	lished, according to Rule 38.2(b), by this Aut from the date of mailing of this international s	thority as it appears in Box No. IV. The applicant search report, submit comments to this Authority.
6. With regards to the drawings,		•
a. the figure of the drawings to be	e published with the abstract is Figure No	
as suggested b	y the applicant.	
as selected by	this Authority, because the applicant failed to	suggest a figure.
	this Authority, because this figure better char	acterizes the invention.
b. X none of the figures is to	be published with the abstract.	

Form PCT/ISA/210 (first sheet) (January 2004)

International Application No PCT/JP2004/003589

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A. CLASS	IFICATION OF SUBJECT MATTER A61K31/265 A61P9/10	•	
According t	o International Patent Classification (IPC) or to both national classific	cation and IPC	
B. FIELDS	SEARCHED		
Minimum de IPC 7	ocumentation searched (classification system followed by classifical $A61K$	tion symbols)	
1107	AUIN		
Documenta	tion searched other than minimum documentation to the extent that	such documents are included in the fields se	arched
Electronic d	ata base consulted during the international search (name of data base	ase and, where practical, search terms used)	
EPO-In	ternal, CHEM ABS Data, EMBASE, BIOS	IS	
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the re	levant passages	Relevant to claim No.
		-/	
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			·
X Furth	er documents are listed in the continuation of box C.	χ Patent family members are listed in	алпех.
Special cat	egories of cited documents :	'T' later document published after the intern	national filing date
conside	nt defining the general state of the art which is not ered to be of particular relevance	or priority date and not in conflict with the cited to understand the principle or the cinvention	ory underlying the
filing da		"X" document of particular relevance; the cla cannot be considered novel or cannot be	aimed invention be considered to
which i	nt which may throw doubts on priority claim(s) or s cited to establish the publication date of another or other special reason (as specified)	involve an inventive step when the doct *Y* document of particular relevance; the cla	ument is taken alone timed invention
	nt referring to an oral disclosure, use, exhibition or	cannot be considered to involve an inve document is combined with one or more ments, such combination being obvious	e other such docu-
P docume later th	nt published prior to the international filing date but an the priority date claimed	in the art. *&* document member of the same patent fa	
Date of the a	ctual completion of the international search	Date of mailing of the international search	
16	5 July 2004	29/07/2004	
Name and m	ailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Langer, O	

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PCT/JP2004/003589

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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
X Y	US 6 426 365 B1 (MAEDA KIMIYA ET AL) 30 July 2002 (2002-07-30) cited in the application		1-3,7-9, 11,12, 16-18, 25-27, 31-37, 41-53
	abstract		13-15, 19-24, 28-30, 38-40
	column 4, line 21 - line 45 column 16, line 7 - line 8 column 16, line 30 - line 59 column 30, line 29 - line 47 column 30, line 49 - line 56 column 30, line 57 - line 62 column 133, lines 11-12 of claim 5 claims 1,6,7		-
	compounds no. 2,10,26, 28, 59-63 in tables 1,5,11,16,17		
X	WO 03/000295 A (GUMKOWSKI MICHAEL JON ; MURDANDE SHARAD BALASAHEB (US); PERLMAN MICHAE) 3 January 2003 (2003-01-03)		1,10,22, 25,31, 34,35,
Y	page 3, line 21 - line 30 last three compounds of claim 9		41,44,45 4-6,10, 13-15, 19-24, 28-30, 38-40
	abstract page 1, line 15 - line 26 page 2, line 16 - page 3, line 4 claims 1,6,8		

International Application No
PCT/JP2004/003589

		PC1/JP2004/003589
	lation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/11710 A (CURATOLO WILLIAM JOHN ; FRIESEN DWAYNE THOMAS (US); GUMKOWSKI MICHAEL) 14 February 2002 (2002-02-14) abstract	1,10,16, 22,25, 31,34, 35,41, 44,45
	page 1, line 5 - line 34 page 5, line 33 - line 37 page 6, line 28 - page 7, line 3 page 90, line 1 - line 29 page 93, line 36 - page 94, line 8 page 108, line 33 - page 109, line 5 page 114, line 34 - page 115, line 8 page 115, line 21 - line 26 page 116, line 1 - line 6 page 116, line 12 - line 17 claims 1,4,9	
Α	KOBAYASHI, JUNJI ET AL: "Effect of HDL, from Japanese white rabbit administered a new cholesteryl ester transfer protein inhibitor JTT-705, on cholesteryl ester accumulation induced by acetylated low density lipoprotein in J774 macrophage" ATHEROSCLEROSIS (SHANNON, IRELAND), 162(1), 131-135 CODEN: ATHSBL; ISSN: 0021-9150, 2002, XP002288179 cited in the application abstract	1-53
A	SHINKAI, HISASHI ET AL: "Bis'2-(Acylamino)phenyl! Disulfides, 2-(Acylamino)benzenethiols, and S-'2-(Acylamino)phenyl! Alkanethioates as Novel Inhibitors of Cholesteryl Ester Transfer Protein" JOURNAL OF MEDICINAL CHEMISTRY, 43(19), 3566-3572 CODEN: JMCMAR; ISSN: 0022-2623, 2000, XP002288180 cited in the application the whole document	1-53
A	WATTS, GERALD F.: "The Yin and Yang of cholesteryl ester transfer protein and atherosclerosis" CLINICAL SCIENCE, 103(6), 595-597 CODEN: CSCIAE; ISSN: 0143-5221, 2002, XP002288181 the whole document	1-53
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International Application No
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		PC1/JP2004/003589
C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	OKAMOTO, HIROSHI ET AL: "A cholesteryl ester transfer protein inhibitor attenuates atherosclerosis in rabbits" NATURE (LONDON) CODEN: NATUAS; ISSN: 0028-0836, vol. 406, 17 June 2000 (2000-06-17), pages 203-207, XP002288182 cited in the application the whole document	1-53
Α ·	DE GROOTH, GREETJE J. ET AL: "Efficacy and safety of a novel cholesteryl ester transfer protein inhibitor, JTT-705, in humans: A randomized phase II dose-response study" CIRCULATION, 105(18), 2159-2165 CODEN: CIRCAZ; ISSN: 0009-7322, 2002, XP002288183 cited in the application abstract	1-53
A	HUANG, ZHIPING ET AL: "Cholesteryl ester transfer protein inhibitor (JTT-705) and the development of atherosclerosis in rabbits with severe hypercholesterolaemia" CLINICAL SCIENCE, 103(6), 587-594 CODEN: CSCIAE; ISSN: 0143-5221, 2002, XP002288184 abstract	1
P,A	OKAMOTO, HIROSHI ET AL: "Effect of JTT-705 on cholesteryl ester transfer protein and plasma lipid levels in normolipidemic animals" EUROPEAN JOURNAL OF PHARMACOLOGY, 466(1-2), 147-154 CODEN: EJPHAZ; ISSN: 0014-2999, 2003, XP002288185 abstract	1
P,A	SHIMOJI EISO ET AL: "Inhibition of cholesteryl ester transfer protein increases serum apolipoprotein (apo) A-I levels by increasing the synthesis of apo A-I in rabbits." ATHEROSCLEROSIS. FEB 2004, vol. 172, no. 2, February 2004 (2004-02), pages 247-257, XP002288186 ISSN: 0021-9150 abstract	1

International application No. PCT/JP2004/003589

INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 1-43 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
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4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is
restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

Information on patent family members

International Application No PCT/JP2004/003589

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